

HS3 - Global Hawk #872 09/19/13 - 09/20/13 Science Report

Aircraft: [Global Hawk - AFRC #872](#) ([See full schedule](#))

Date: Thursday, September 19, 2013 - Friday, September 20, 2013

Mission: HS3

Mission Location: Gulf of Mexico--Invest 95L

Mission Summary:

This was a flight to sample the environment of Invest 95L, which at the time of takeoff had a 70% chance of tropical cyclone formation, although it ultimately failed to form. It was a good non-development case study.

Submitted by: Scott Braun on 09/21/13

File:

 [HS3_Sept19-20_flight_report.pdf](#)

Related Flight Report:

Global Hawk #872 09/19/13 - 09/20/13

Flight Number: 872-0119

Payload Configuration: HS3 - TN872 2013 configuration

Nav Data Collected: No

Total Flight Time: 22.7 hours

Submitted by: Chris Naftel on 09/20/13

Flight Segments:

From:	WFF	To:	wff
Start:	09/19/13 12:10 Z	Finish:	09/20/13 10:53 Z
Flight Time:	22.7 hours		
Log Number:	13H010	PI:	Marilyn Vasques
Funding Source:	Hal Maring - NASA - SMD - ESD Radiation Science Program		
Purpose of Flight:	Science		
Comments:	During this mission to the Gulf of Mexico, 88 sondes were deployed, which is a new record and the maximum capacity of the dispenser. All science instruments operated nominally, as well as the aircraft.		

Flight Hour Summary:

	13H010
Flight Hours Approved in SOFRS	459.1
Total Used	272.4
Total Remaining	186.7

13H010 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
08/01/13	872-0111	Check	5	5	454.1	
08/08/13	871-0087	Check	4.6	9.6	449.5	
08/14/13	871-0088	Ferry	10.8	20.4	438.7	
08/16/13	872-0112	Ferry	10.2	30.6	428.5	
08/20/13 - 08/21/13	872-0113	Science	25.1	55.7	403.4	
08/24/13 - 08/25/13	872-0114	Science	24.6	80.3	378.8	

08/29/13 - 08/30/13	872-0115	Science	22.6	102.9	356.2
09/03/13 - 09/04/13	871-0089	Science	23.2	126.1	333
09/04/13 - 09/05/13	872-0116	Science	22.9	149	310.1
09/07/13 - 09/08/13	872-0117	Science	23.2	172.2	286.9
09/10/13	871-0090	Science	4.6	176.8	282.3
09/15/13 - 09/16/13	871-0091	Science	22.9	199.7	259.4
09/16/13 - 09/17/13	872-0118	Science	20.6	220.3	238.8
09/17/13	871-0092	Science	4.5	224.8	234.3
09/19/13 - 09/20/13	872-0119	Science	22.7	247.5	211.6
09/25/13 - 09/26/13	871-0093	Science	15.1	262.6	196.5
09/26/13	872-0120	Ferry	9.8	272.4	186.7

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

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